

IN THE CLAIMS

Please amend and consider the claims as follows:

1-4. (Cancelled)

5. (Amended) A kit used for fabricating ~~the~~an integrated biomolecule sensor
~~according to the fabrication method of claim 2 or 3, comprising[[:]]:~~
an optical fiber bundle unit;
a plate with wells for holding solutions containing probe polymers with different
base sequences; and
an auxiliary plate having holes, ~~so arranged in alignment with the wells of the~~
~~plate as to make it easy to insert the distal ends of individual optical fibers of~~
~~the optical fiber bundle unit or partial optical fiber bundle units separately~~
~~into the corresponding different wells of the plate, wherein the respective~~
~~holes corresponding to the respective wells of the plate.~~

Claims 6-9. (Cancelled)

10. (New) The kit according to claim 5, wherein the optical fiber bundle unit holds the proximal ends of the plurality of optical fibers together with the end-face arranged substantially in the same plane and oriented substantially in the same direction.

11. (New) The kit according to claim 5, wherein the optical fiber bundle unit comprises a linker at the distal end of each optical fiber thereof.